

Author-Title Index

- Adams, N.G., Smith, D., Giles, K., Herbst, E.: The production of C_nO , HC_nO , and H_2C_nO molecules in dense interstellar clouds **220**, 269
- Amer, M.A., see Youssef, N.H. **220**, 281
- Andersen, J., see Mermilliod, J.-C., et al. **220**, 341 (79, 11)
- Anttila, R., see Liljeström, T., et al. **220**, 342 (79, 19)
- Balian, R., Schaeffer, R.: Scale-invariant matter distribution in the universe. I. Counts in cells **220**, 1
- Barbon, R., Iijima, T., Rosino, L.: The supernova 1984 A in NGC4419 **220**, 83
- Barrera, L.H., Vogt, N.: A spectroscopic study of the dwarf nova CN Orionis **220**, 99
- Barylak, M., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Bastian, T.S., see Güdel, M., et al. **220**, L5
- Baudrand, J., see Cuby, J.G., et al. **220**, 335
- Beckman, J.E., see Cepa, J. **220**, 342 (79, 41)
- Ben Jaffel, L., Vidal-Madjar, A.: New developments in the discrete ordinate method for the resolution of the radiative transfer equation **220**, 306
- Benz, A.O., see Güdel, M., et al. **220**, L5
- Bernard, J.P., d'Hendecourt, L.B., Léger, A.: The influence of temperature on the infrared spectrum of the coronene molecule **220**, 245
- Beuermann, K., see van der Woerd, H., et al. **220**, 221
- Boehnhardt, H., Drechsel, H., Vanysek, V., Waha, L.: Photometric investigation of comets Bradfield 1987S and P/Borrelly **220**, 286
- Bohlender, D.A.: The magnetic field and rotation period of the Ap star HD4778 **220**, 215
- Brosche, P., Seiler, U., Sündermann, J., Wunsch, J.: Periodic changes in Earth's rotation due to oceanic tides **220**, 318
- Buat, V.: Large-scale aspects of current star formation in the disk of Messier 81 **220**, 49
- Burkhart, C., Coupry, M.F.: Am stars of the Hyades cluster: temperatures, lithium, and the heavier elements, Al, Si, and Fe **220**, 197
- Butler, K., see Schöning, T. **220**, 344 (79, 153)
- Cappi, A., see Vettolani, G., et al. **220**, 344 (79, 147)
- Cepa, J., Beckman, J.E.: Spatial and luminosity distributions of the ionized hydrogen in NGC3992 **220**, 342 (79, 41)
- Chevreton, M., see Cuby, J.G., et al. **220**, 335
- Chincarini, G., see Vettolani, G., et al. **220**, 344 (79, 147)
- Chini, R., see Salter, C.J., et al. **220**, 42
- Chlewicki, G., see Laureijs, R.J., et al. **220**, 226
- Clark, F.O., see Laureijs, R.J., et al. **220**, 226
- Claussen, M.J., see Sahai, R., et al. **220**, 92
- Coté, J., see Waters, L.B.F.M., et al. **220**, L1
- Coupry, M.F., see Burkhart, C. **220**, 197
- Cuby, J.G., Baudrand, J., Chevreton, M.: The Thomson THX 31513 linear array in a photon counting mode under electron bombardment: evaluation tests and first results **220**, 335
- David, P., see Gillet, D., et al. **220**, 185
- Davis, R.J., see Güdel, M., et al. **220**, L5
- d'Hendecourt, L.B., see Bernard, J.P., et al. **220**, 245
- Drechsel, H., see Boehnhardt, H., et al. **220**, 286
- Driessen, C., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Duquennoy, A., see Mermilliod, J.-C., et al. **220**, 341 (79, 11)
- Echevarria, J., see Medina, F., et al. **220**, 313
- Egret, D., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Fabbri, R., see Xu Chongming, et al. **220**, 30
- Fenkart, R.: Confirmation of the Galactic Thick Disk Component by the Basle *RGU*- and *UBV*-photometric space densities. II (Synopsis of 25 years Basle Halo Program; II: Plaut I, NGC 6171, SA 158, M 13) **220**, 342 (79, 51)
- Focardi, P., see Vettolani, G., et al. **220**, 344 (79, 147)
- Fröhlich, C., Pap, J.: Multi-spectral analysis of total solar irradiance variations **220**, 272
- Fryxell, B.A., see Müller, E., et al. **220**, 167
- Fürst, E., see Güdel, M., et al. **220**, L5
- Garilli, B., see Vettolani, G., et al. **220**, 344 (79, 147)
- Gerbault, A., see Leblanc, Y., et al. **220**, 344 (79, 154)
- Giles, K., see Adams, N.G., et al. **220**, 269
- Gillet, D., Lafon, J.-P.J., David, P.: Radiative shocks in atomic and molecular stellar atmospheres. III. The shock wave velocity problem in Mira stars **220**, 185
- Gregorini, L., see Vettolani, G., et al. **220**, 344 (79, 147)
- Güdel, M., Benz, A.O., Bastian, T.S., Fürst, E., Simnett, G.M., Davis, R.J.: Broadband spectral observation of a dMe star radio flare **220**, L5
- Hanuschik, R.W., Thimm, G., Seidensticker, K.J.: Absolute fluxes for Supernova 1987A. II. Days 51 to 157 **220**, 153
- Hao, P.J., see Xie, G.Z., et al. **220**, 89
- Haslam, C.G.T., see Salter, C.J., et al. **220**, 42
- Hassall, B.J.M., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Hawley, S.L., Panov, K.P., Pettersen, B.R., Sundland, S.R.: The flare activity of the red dwarf binary Gliese 277 AB **220**, 218
- Hearn, A.G., see Korevaar, P. **220**, 177
- Heck, A., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Herbst, E., see Adams, N.G., et al. **220**, 269
- Hillebrandt, W., see Müller, E., et al. **220**, 167
- Höflich, P., see Müller, E., et al. **220**, 167
- Hogeveen, S.J., see Waters, L.B.F.M., et al. **220**, L1

- Huang, T.-Y., Zhu, J., Xu, B.-X., Zhang, H.: The concepts of International Atomic Time (TAI) and Terrestrial Dynamic Time (TDT) **220**, 329
- Hughes, D.W.: Changes in the extent of the emission region on a cometary nucleus and its effect on the activity index **220**, 301
- Humphreys, R.M., see Zickgraf, F.-J., et al. **220**, 206
- Ida, S., see Nakazawa, K., et al. **220**, 293
- Iijima, T., see Barbon, R., et al. **220**, 83
- Israel, F.P., see Schwering, P.B.W. **220**, 343 (79, 79)
- Jackson, J.M., see Nguyen-Q-Rieu, et al. **220**, 57
- Junor, W., see Salter, C.J., et al. **220**, 42
- Kaminker, A.D., Pavlov, G.G., Shibanov, Y.A., Kurt, V.G., Smirnov, A.S., Shamolin, V.M., Kopaeva, I.F., Sheffer, E.K.: Spectral evolution of a burst from MXB 1728-34 and constraints on burster parameters **220**, 117
- Kopaeva, I.F., see Kaminker, A.D., et al. **220**, 117
- Korevaar, P., Hearn, A.G.: Time-dependent corona models: dynamical response to perturbations **220**, 177
- Kreysa, E., see Salter, C.J., et al. **220**, 42
- Kurt, V.G., see Kaminker, A.D., et al. **220**, 117
- Lafon, J.-P.J., see Gillet, D., et al. **220**, 185
- Langer, N.: Mass-dependent mass loss rates of Wolf-Rayet stars **220**, 135
- Laureijs, R.J., Chlewicki, G., Clark, F.O., Wesselius, P.R.: Dust emission from an isolated interstellar cloud **220**, 226
- Leblanc, Y., Gerbault, A., Lecacheux, A.: *Erratum*: A catalogue of Jovian decametric radio observations from January 1982 to December 1984 **220**, 344 (79, 154)
- Lecacheux, A., see Leblanc, Y., et al. **220**, 344 (79, 154)
- Ledezma, E., see Medina, F., et al. **220**, 313
- Léger, A., see Bernard, J.P., et al. **220**, 245
- Liljeström, T., Mattila, K., Toriseva, M., Anttila, R.: W49N water maser: spectral atlas of time variability during 1981–85 **220**, 342 (79, 19)
- Lindgren, H., see Mermilliod, J.-C., et al. **220**, 341 (79, 11)
- Lu, J.F., see Xie, G.Z., et al. **220**, 89
- Lu, R.W., see Xie, G.Z., et al. **220**, 89
- Maccagni, D., see Vettolani, G., et al. **220**, 344 (79, 147)
- Maceroni, C., see van 't Veer, F. **220**, 128
- Mampaso, A., Phillips, J.P., Vilchez, J.M., Pişmiş, P., Riera, A.: Optical and infrared observations of the HII region S201 **220**, 235
- Martinez, F., see Medina, F., et al. **220**, 313
- Masson, C.R., see Sahai, R., et al. **220**, 92
- Mattila, K., see Liljeström, T., et al. **220**, 342 (79, 19)
- Mayor, M., see Mermilliod, J.-C., et al. **220**, 341 (79, 11)
- Medina, F., Echevarria, J., Ledezma, E., Martinez, F.: Infrared observations of Io during the mutual events of 1985: evidence of volcanic activity? **220**, 313
- Mermilliod, J.-C., Mayor, M., Andersen, J., Nordström, B., Lindgren, H., Duquenois, A.: Red giants in open clusters. II. Orbits of ten spectroscopic binaries in NGC 2360, 2437, 2447, 5822, 5823, and 6475 **220**, 341 (79, 11)
- Mezger, P.G., see Salter, C.J., et al. **220**, 42
- Mönchmeyer, R., see Müller, E., et al. **220**, 167
- Müller, E., Hillebrandt, W., Orio, M., Höflich, P., Mönchmeyer, R., Fryxell, B.A.: Mixing and fragmentation in supernova envelopes **220**, 167
- Munoz, J.R., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Murray, J., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Nakagawa, Y., see Nakazawa, K., et al. **220**, 293
- Nakai, N., see Nguyen-Q-Rieu, et al. **220**, 57
- Nakazawa, K., Ida, S., Nakagawa, Y.: Collisional probability of planetesimals revolving in the solar gravitational field. I. Basic formulation **220**, 293
- Nguyen-Q-Rieu, Nakai, N., Jackson, J.M.: Dense molecular gas in galaxies: HCN, HCO⁺, and CS in M82 and NGC253 **220**, 57
- Nordström, B., see Mermilliod, J.-C., et al. **220**, 341 (79, 11)
- Orio, M., see Müller, E., et al. **220**, 167
- Panov, K.P., see Hawley, S.L., et al. **220**, 218
- Pap, J., see Fröhlich, C. **220**, 272
- Pasian, F., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Pavlov, G.G., see Kaminker, A.D., et al. **220**, 117
- Pettersen, B.R., see Hawley, S.L., et al. **220**, 218
- Phillips, J.P., see Mampaso, A., et al. **220**, 235
- Pierre, M., see Shaver, P.A. **220**, 35
- Pişmiş, P., see Mampaso, A., et al. **220**, 235
- Pol, O.R., see Waters, L.B.F.M., et al. **220**, L1
- Poretti, E.: Non-radial oscillations in HR 1225, σ^1 Eridani and HR 547 **220**, 144
- Reipurth, B.: Herbig-Haro objects in flows from young stars in Orion **220**, 249
- Riera, A., see Mampaso, A., et al. **220**, 235
- Rosino, L., see Barbon, R., et al. **220**, 83
- Russo, G., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Sahai, R., Claussen, M.J., Masson, C.R.: The centimeter radio continuum from IRC+10216 and other late-type stars with mass-loss envelopes **220**, 92
- Salter, C.J., Chini, R., Haslam, C.G.T., Junor, W., Kreysa, E., Mezger, P.G., Spencer, R.E., Wink, J.E., Zylka, R.: 230 GHz observations of the radio galaxies Cygnus A and Virgo A **220**, 42
- Schaeffer, R., see Balian, R. **220**, 1
- Schöning, T., Butler, K.: *Erratum*: Stark broadening of HeII lines **220**, 344 (79, 153)
- Schwering, P.B.W., Israel, F.P.: Infrared observations of the Magellanic Clouds. I. The Small Magellanic Cloud **220**, 343 (79, 79)
- Schwering, P.B.W.: Infrared observations of the Magellanic Clouds. II. The Large Magellanic Cloud **220**, 343 (79, 105)
- Seidensticker, K.J., see Hanuschik, R.W., et al. **220**, 153
- Seidensticker, K.J.: The distance and structure of the Coalsack. I. Photometric data **220**, 343 (79, 61)
- Seiler, U., see Brosche, P., et al. **220**, 318
- Shamolin, V.M., see Kaminker, A.D., et al. **220**, 117
- Shaver, P.A., Pierre, M.: Large-scale anisotropy in the sky distribution of extragalactic radio sources **220**, 35
- Sheffer, E.K., see Kaminker, A.D., et al. **220**, 117
- Shibanov, Y.A., see Kaminker, A.D., et al. **220**, 117
- Simnett, G.M., see Güdel, M., et al. **220**, L5
- Sinclair, A.T.: The orbits of the satellites of Mars determined from Earth-based and spacecraft observations **220**, 321
- Smirnov, A.S., see Kaminker, A.D., et al. **220**, 117
- Smith, A.G., see Webb, J.R. **220**, 65
- Smith, D., see Adams, N.G., et al. **220**, 269
- Spencer, R.E., see Salter, C.J., et al. **220**, 42
- Stahl, O., see Zickgraf, F.-J., et al. **220**, 206
- Stepień, K.: Radii and space orientation of the rotational axes of Ap stars **220**, 105
- Sündermann, J., see Brosche, P., et al. **220**, 318
- Sundland, S.R., see Hawley, S.L., et al. **220**, 218
- Tagliaferri, G., see van der Woerd, H., et al. **220**, 221
- Talavera, A., see Wamsteker, W., et al. **220**, 341 (79, 1)
- Thimm, G., see Hanuschik, R.W., et al. **220**, 153

- Thomas, H.C., see van der Woerd, H., et al. **220**, 221
- Toriseva, M., see Liljeström, T., et al. **220**, 342 (79, 19)
- Ulrich, M.-H.: Intermediate resolution spectra of quasars with $z > 2$ **220**, 71
- van den Heuvel, E.P.J., see Waters, L.B.F.M., et al. **220**, L1
- van der Woerd, H., Tagliaferri, G., Thomas, H.C., Beuermann, K.: Variable X-ray emission from the dMe star EXO 040830-7134.7 **220**, 221
- van 't Veer, F., Maceroni, C.: The angular momentum loss for late-type stars **220**, 128
- Vanysek, V., see Boehnhardt, H., et al. **220**, 286
- Vettolani, G., Cappi, A., Chincarini, G., Focardi, P., Garilli, B., Gregorini, L., Maccagni, D.: Radial velocities of 13 southern rich clusters **220**, 344 (79, 147)
- Vidal-Madjar, A., see Ben Jaffel, L. **220**, 306
- Vogt, N., see Barrera, L.H. **220**, 99
- Vilchez, J.M., see Mampaso, A., et al. **220**, 235
- Waha, L., see Boehnhardt, H., et al. **220**, 286
- Wamsteker, W., Driessen, C., Munoz, J.R., Hassall, B.J.M., Pasian, F., Barylak, M., Russo, G., Egret, D., Murray, J., Talavera, A., Heck, A.: IUE-ULDA/USSP: the on-line resolution spectral data archive of the International Ultraviolet Explorer **220**, 341 (79, 1)
- Waters, L.B.F.M., Pols, O.R., Hogeveen, S.J., Coté, J., van den Heuvel, E.P.J.: The formation and detectability of Be + white dwarf systems **220**, L1
- Webb, J.R., Smith, A.G.: The 1987 outburst of the BL Lacertid AO 0235+164 **220**, 65
- Wesselius, P.R., see Laureijs, R.J., et al. **220**, 226
- Wink, J.E., see Salter, C.J., et al. **220**, 42
- Wolf, B., see Zickgraf, F.-J., et al. **220**, 206
- Wu Xuejun, see Xu Chongming, et al. **220**, 30
- Wünsch, J., see Brosche, P., et al. **220**, 318
- Wu, J.X., see Xie, G.Z., et al. **220**, 89
- Xie, G.Z., Lu, J.F., Wu, J.X., Lu, R.W., Hao, P.J.: Determination of several parameters of BL Lacertae objects and relativistic beaming **220**, 89
- Xu Chongming, Fabbri, R., Wu Xuejun: The gravitational lens effect of the Virgo Supercluster **220**, 30
- Xu, B.-X., see Huang, T.-Y., et al. **220**, 329
- Youssef, N.H., Amer, M.A.: Solar photospheric abundance of scandium and vanadium deduced from their ions **220**, 281
- Zahn, J.-P.: Tidal evolution of close binary stars. I. Revisiting the theory of the equilibrium tide **220**, 112
- Zhang, H., see Huang, T.-Y., et al. **220**, 329
- Zhu, J., see Huang, T.-Y., et al. **220**, 329
- Zickgraf, F.-J., Wolf, B., Stahl, O., Humphreys, R.M.: S 18: a new B[e] supergiant in the Small Magellanic Cloud with evidence for an excretion disk **220**, 206
- Zylka, R., see Salter, C.J., et al. **220**, 42